

Individual Proposal Report

Title: Cache Slough Habitat Enhancement (M315)

Geographic Area: Delta

Primary Stressor Addressed: Floodplain/Marshplain Changes

Project Type: Implementation

Applicant Type and Name: Local Government/District. Henry Kuechler, Reclamation District No. 2060, (415) 328-0820

Funding: The applicant has requested \$387,000 for planning and construction. It is recommended that only the planning, design, and permitting phases, a total of \$85,000, be funded at this time.

Cost Share: None proposed.

Project Description: RD 2060 proposes to restore approximately 2,000 linear feet of levee bank where erosion has destroyed shaded riverine aquatic habitat and created erosion pockets. Instead of utilizing traditional erosion repair (i.e., fill and riprap), the District plans to stabilize the bank and encourage habitat which will benefit target priority species including the Delta smelt.

ERPP Linkage: The proposal meets the goals of the Ecosystem Restoration Program Plan (CALFED, Volume II, 28 July 1997) as it should help to restore ecological structure and functions of the Delta waterways network by increasing the land-water interface ratio a minimum of 50 to 70% compared to 1906 conditions and by restoring 100 to 150 miles of small distributary sloughs (less than 50 to 75 feet wide) hydrologically connected to larger Delta channels (page 44).

AFRP Linkage: This proposal contributes toward making all reasonable efforts to at least double natural production of anadromous fish as it supports the following evaluations listed in the Revised Draft Restoration Plan for the Anadromous Fish Restoration Program (USFWS, 30 May 1997): (1) Evaluate potential benefits of and opportunities for increasing salmonid and other anadromous fish production through improved riparian habitats in the Delta (Sacramento-San Joaquin Delta Evaluation 4, page 105); and (2) Evaluate benefits of and opportunities for additional tidal shallow-water habitat as rearing habitat for anadromous fish in the Delta (Sacramento-San Joaquin Delta Evaluation 6, page 105).

Applicant's Proposed Monitoring: Once constructed, monitoring will include percent survival of plant species each year; measurements of cover of the restored areas at various increments in time; measurements of growth rates per species; and sediment retention, loss, and gain. Monitoring stations will be established prior to construction activities so that baseline data may be collected. CALFED staff will review the proposed monitoring plan and revise as necessary.